848 Material Safety Data Sheet

Functional Group ID=MS

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Material Safety Data Sheet Transaction Set (848) for use within an Electronic Data Interchange (EDI) environment. The transaction set can be used to communicate chemical characteristics, hazards, and precautions for the safe handling and use of a material. The transaction set is intended to convey the information required for a Material Safety Data Sheet (MSDS) as defined by the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200 in the United States, and Workplace Hazardous Materials Information System (WHIMS) in Canada, and various state, province, and local requirements under right-to-know legislation. The MSDS provides the receiver with detailed information concerning material identity, emergency response, chemical and physical characteristics, toxicology, and industrial hygiene procedures. State and federal law dictate who is obligated to provide the MSDS and to whom it should be issued. In addition, third-party providers or others with no statutory obligation may voluntarily provide an MSDS to anyone. This transaction set allows for transmission of MSDS data in a structured, unstructured, or semi-structured form.CAUTION: With this transaction set, text format is critical due to the MSDS's primary role as a vehicle for hazards communication. The risk if this information is not transmitted clearly and accurately could be harmful to human life, harmful to the environment, could cause mishandling of product, could result in regulatory non-compliance, and could result in liability. Trading partners need to agree on how to interpret, store, and display/print MSDS text, especially text contained in the MSG and SD1 segments. For example, a sender may wish to format text so that one print line is mapped to one MSG segment. Segment terminator and data element delimiter characters shall not appear in any MSDS data.WARNING: Alteration of the original document will occur if the EDI translator or application software converts characters to uppercase. This may adversely affect the appearance, effectiveness, clarity, readability, and communicability of the printed MSDS document.

Notes:

- 1. This implementation convention provides the semi-structured format for the submission of a Material Safety Data Sheet (MSDS). The Federal Government seeks to maximize the use of the fully structured convention and encourages its use by trading partners.
- 2. This data requirement conforms with the Chemical Manufacturer's Association ANSI standard for MSDS preparation (ANSI Z400.1) and provides for Hazard Communication (HAZCOM) Warning Label information.
- 3. Strict version control of each MSDS for unique products and formulations is required. The primary method for MSDS identification is through a linkage between a unique MSDS reference number, a revision number if applicable, a manufacturer's part number, a CAGE (commercial and government entity), and MSDS effective date. Priority should be given to this data when identifying a unique product.
- 4. Send only one MSDS per transaction.

003050F848S0 29 July 1997

5. The ANSI Z400 MSDS structure requires a Section Header for each specified section of the MSDS. If no information is applicable or available, an indicative message in 2/MSG/050 must follow the section identification information, for example, "no data available," "not applicable", or "found in another section."

Heading:

	Pos.	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BMS	Beginning Segment For Material Safety Data Sheet	M	1		
Not Used	030	NTE	Note/Special Instruction	O	>1		
Must Use	040	REF	Reference Numbers	O	>1		
	050	DTM	Date/Time Reference	O	>1		
			LOOP ID - N1			>1	
	060	N1	Name	O	1		
	070	N2	Additional Name Information	O	>1		
	080	N3	Address Information	O	>1		
	090	N4	Geographic Location	O	1		
	100	REF	Reference Numbers	O	>1		
	110	PER	Administrative Communications Contact	О	>1		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u> LOOP ID - LIN	Req. Des.	Max.Use	Loop Repeat 999999	Notes and Comments
Must Use	010	LIN	Item Identification	M	1		n1
	020	PID	Product/Item Description	O	>1		
			LOOP ID - MSS			>1	
	030	MSS	Material Safety Data Sheet Section Information	O	1		n2
Not Used	040	MEA	Measurements	O	>1		
	050	MSG	Message Text	O	>1		n3
			LOOP ID - SD1		, 	>1	
Not Used	060	SD1	Safety Data	O	1		n4
Not Used	070	MEA	Measurements	O	>1		
Not Used	072	PKG	Marking, Packaging, Loading	O	>1		
Not Used	074	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
Not Used	080	MSG	Message Text	O	>1		n5
			LOOP ID - CID			>1	
Not Used	100	CID	Characteristic/Class ID	O	1		
Not Used	110	MEA	Measurements	M	>1		
			LOOP ID - LX			>1	
Not Used	115	LX	Assigned Number	O	1		
Not Used	120	CID	Characteristic/Class ID	O	1		
Not Used	130	MEA	Measurements	O	>1		

Not Used	140	STA	Statistics	O	1		
Not Used	150	TMD	Test Method	O	1		
Not Used	160	MSG	Message Text	O	>1		
			LOOP ID - SD1			>1	
Not Used	170	SD1	Safety Data	O	1		
Not Used	180	MEA	Measurements	O	>1		
Not Used	182	PKG	Marking, Packaging, Loading	O	>1		
Not Used	184	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
Not Used	190	MSG	Message Text	O	>1		
			LOOP ID - CID			>1	
Not Used	210	CID	Characteristic/Class ID	O	1		
Not Used	220	MEA	Measurements	M	>1		

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	Comments
Not Used	010	CTT	Transaction Totals	0	1		n6
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 1. LIN loop is product level. MSS is section level. The first SD1 loop is safety data relating to the section only. The first CID loop is for complex measurements on safety data. LX loop is used to specify product characteristics, components, or complex measurements (i.e., those with environmental parameters). The second SD1 loop is safety data relating to a particular product characteristic or component. The second CID loop is for complex measurements on safety data, which related to a particular product characteristic or component.
- 2. Regulation notifications can be contained in MSS or SD1 or both.
- **3.** Trading partners must agree on a convention for text processing that will not split words, and which can convey correct meaning, in successive SD1 or MSG segments.
- **4.** Regulation notifications can be contained in MSS or SD1 or both.
- 5. Trading partners must agree on a convention for text processing that will not split words, and which can convey correct meaning, in successive SD1 or MSG segments.
- 6. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the

interchange partners to select the appropriate transaction set definition (e.g.,

810 selects the Invoice Transaction Set).

Comments:

	Ref. Des.	Data Element	Name	Att	ributes
Must Use	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			X12.36 Material Safety Data Sheet		
Must Use	ST02	329	Transaction Set Control Number	M	AN 4/9
			Identifying control number that must be unique within the functional group assigned by the originator for a transaction		
			A unique number assigned by the originator of the tranthe originator's application program.	rsactio	on set, or

Segment: BMS Beginning Segment For Material Safety Data Sheet

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: Beginning of the Material Safety Data Sheet Transaction Set, to identify the distinct

type of report and to transmit key identifying numbers and dates relating to that

report

Syntax Notes:

Semantic Notes: 1 BMS02 specifies date the report is effective (YYMMDD).

2 BMS04 specifies sender's report identifier.

3 BMS05 is a number indicating the chronological sequence of this revision.

4 BMS08 specifies the state or province for ultimate receipt of this report.

5 BMS09 specifies the country for ultimate receipt of this report.

Comments: 1 If BMS01 is code "05" and BMS04 is used, then BMS06, if used, must identify

the previous version of this report which is being replaced.

If BMS01 is code "05" and BMS05 is used, then BMS07, if used, must identify

the previous version of this report which is being replaced.

2 BMS03 specifies the language of the text information in the Material Safety

Data Sheet (MSDS).

Data Element Summary

	Kei.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
Must Use	BMS01	353	Transaction Set Purpose Code	M ID 2/2

Code identifying purpose of transaction set

00 Original

Use to identify an original MSDS transaction

submission.

01 Cancellation

Use only to indicate the cancellation of a previously submitted MSDS (original or replacement) when the MSDS is found to be inaccurate and a new original (or replacement)

MSDS has been submitted.

05 Replace

Use to indicate the original submission of an MSDS which will replace an existing MSDS, whether previously submitted to DoD or not. Submission of a replacement MSDS is considered to be advisory information for the recipient and is not associated with an ongoing acquisition action. This encompasses MSDSs superseded, replaced, or

revised.

Must Use	BMS02	373	Date	M	DT 6/6
			Date (YYMMDD)		
			1. Cite the date on which the MSDS content is in effect		4
	D3.4G02	010	2. For MSDS request transactions, cite the date of the	_	
	BMS03	819	Language Code	0	ID 2/3
			Code designating the language used in text, from a standar maintained by the International Standards Organization (I		
			Use to specify a language if other than English.		
	BMS04	127	Reference Number	O	AN 1/30
			Reference number or identification number as defined for a Transaction Set, or as specified by the Reference Number	-	
			Cite the MSDS reference number which uniquely identify	fies a	ny
			individual MSDS in original and cancellation submission		
			replacement MSDS submissions, cite the reference num MSDS which is replacing the obsolete MSDS.	ber o	f the
	BMS05	691	Revision Number	O	N0 1/4
			A number which indicates the chronological sequence of reupdates to a ratemaking docket	evisio	ns and
			Use to identify the unique revision number associated we reference number as assigned by the developer of the Most recent version of the MSDS.		
	BMS06	127	Reference Number	O	AN 1/30
			Reference number or identification number as defined for a Transaction Set, or as specified by the Reference Number	-	
			Use only in MSDS replacement submissions to identify		
			reference number of the MSDS being replaced.		
	BMS07	691	Revision Number	O	N0 1/4
			A number which indicates the chronological sequence of reupdates to a ratemaking docket	evisio	ns and
			Use only in MSDS replacement submissions to identify	the M	ISDS
			revision number applicable to the MSDS being replaced	i.	
Not Used	BMS08	156	State or Province Code	O	ID 2/2
			Code (Standard State/Province) as defined by appropriate agency	gover	nment
Not Used	BMS09	26	Country Code	0	ID 2/3
			Code identifying the country		

Segment: **REF** Reference Numbers

Position: 040

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes:

1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes:

- 1. Use for the original and cancellation submissions to identify the appropriate reference number associated with the MSDS submission requirement. Use multiple repetitions of the 1/REF/040 segment as needed to identify contract number and associated release or delivery order number.
- 2. The 1/REF/040 segment MUST be used once to identify the type of implementation convention being used for this transaction. Use code EZ in REF01 and cite the appropriate code in REF02.
- 3. Use for replacement submissions, if known, to identify the applicable reference number associated with the original submission.

			Data Eleme	iit Suiiiiiai y		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
Must Use	REF01	128	Reference Number	· Qualifier	M	ID 2/2
			Code qualifying the	Reference Number.		
			2G	Amendment		
			C4	Change Number		
				Use to cite the contract modification required.	nun	aber, as
			CT	Contract Number		
			DO	Delivery Order Number		
				Use to cite the delivery order number requirements or indefinite quantity of	_	
			EZ	Electronic Data Interchange Agreemen	ıt Nu	mber
				Use to identify the implementation coused for this transaction by citing the REF02: "848F003"		
			KS	Solicitation		
				A discreet number assigned by the pur activity to differentiate between differentiate		•
				Use to indicate the solicitation number which the MSDS is submitted. This		

method for cross reference to purchase prior to

contract award.

PR Price Quote Number

TN Transaction Reference Number

Use to cite the MSDS request number given in BMS04 of the MSDS request transaction, if

applicable.

Must Use REF02 127 Reference Number

X AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03 352 Description

X AN 1/80

A free-form description to clarify the related data elements and their content

DTM Date/Time Reference **Segment:**

Position: 050

Loop:

Level: Heading **Usage:** Optional Max Use: >1

Purpose: To specify pertinent dates and times

Syntax Notes: At least one of DTM02 DTM03 or DTM06 is required.

If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Use in original, cancellation, and replacement transactions to identify the MSDS **Notes:**

date of preparation.

			Data Eleme	ent Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	ributes
Must Use	DTM01	374	Date/Time Qualifi	ier	M	ID 3/3
			Code specifying typ	be of date or time, or both date and time		
			042	Superseded		
				Use in replacement submissions only preparation date of MSDS being rep		• •
			102	Issue		
				Use in original and cancellation transidentify the date of preparation for the being submitted or canceled. Use in submissions to identify the original of preparation for the new MSDS.	he M repla	ISDS acement
Must Use	DTM02	373	Date		X	DT 6/6
			Date (YYMMDD)			
Not Used	DTM03	337	Time		X	TM 4/8
			or HHMMSSD, or (00-59), S = integer	24-hour clock time as follows: HHMM, HHMMSSDD, where H = hours (00-23 seconds (00-59) and DD = decimal second as follows: D = tenths (0-9) and DD	3), M conds	= minutes s; decimal
Not Used	DTM04	623	Time Code		O	ID 2/2
			Organization standa indication in hours	e time. In accordance with International ard 8601, time can be specified by a + o in relation to Universal Time Coordinated character, + and - are substituted by F	or - ar e (U'	nd an TC) time;
	DTM05	624	Century		O	N0 2/2
			The first two charac	eters in the designation of the year (CCY	(Y)	

Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and	time fo	ormat
Not Used	DTM07	1251	Date Time Period	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates.	ates an	d times

N₁ Name **Segment:**

Position: 060

> Loop: N1 Optional

Level: Heading Optional Usage:

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

> 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing

> organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

N105 and N106 further define the type of entity in N101.

1. Multiple iterations of the 1/N1/060 loop are permitted to identify the party(ies) **Notes:**

associated with the development and submission of the MSDS.

2. If possible, use only N101 and the N103/N104 combination to provide the

appropriate entity and address information.

Data Element Summary

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	ributes
Must Use	N101	98	Entity Identifier Code	\mathbf{M}	ID 2/2
			Code identifying an organizational entity, a physical local	tion, o	r an

ındıvıdual

DS Distributor

> Use as needed to identify the entity in the material chain-of-custody responsible for distributing the material and which did not alter product

formulation.

MF Manufacturer of Goods

> Use to identify the product manufacturer and entity responsible for determining the final product

formulation.

R6 Requester

Use to identify the entity initiating the MSDS

request or requirement.

SU Supplier/Manufacturer

> Use as needed to identify the entity providing the material if other than distributor or manufacturer

of goods.

Third Party YE

> Use to identify the MSDS submitter when other than the manufacturer or party providing the

s OS if
)S if
the
N 1/35
? .
D 1/2
aracter
e
N 2/20
D 2/2
D 2/2
1
opriate nating
opriate eive the

Segment: N2 Additional Name Information

Position: 070

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

D T

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes:

Comments:

Notes: Use only as required in conjunction with N102 to further identify the entity when

the N103/N104 combination is not sufficient. For example, use to identify a

specific division or office of the organization cited in N102.

	Ref.	Data			
	Des.	Element	<u>Name</u>	<u>Attr</u>	<u>ibutes</u>
Must Use	N201	93	Name	\mathbf{M}	AN 1/35
			Free-form name		
	N202	93	Name	0	AN 1/35
			Free-form name		

Segment: N3 Address Information

Position: 080

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: >1

Purpose: To specify the location of the named party

Syntax Notes: Semantic Notes:

Comments:

Notes: Use only as required in conjunction with N102 to further identify the entity's

address when the N103/N104 combination is not sufficient.

Must Use	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	<u>Attributes</u> M AN 1/35
Trade esc	11001	100	Address information	111 111 1/00
	N302	166	Address Information	O AN 1/35
			Address information	

Segment: N4 Geographic Location

Position: 090

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be

adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Notes: Use only as required in conjunction with N102 to further identify the entity

location when the N103/N104 combination is not sufficient.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	tributes
	N401	19	City Name	O	AN 2/30
			Free-form text for city name		
	N402	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropriate agency	gover	nment
	N403	116	Postal Code	0	ID 3/11
			Code defining international postal zone code excluding publanks (zip code for United States)	nctua	tion and
	N404	26	Country Code	O	ID 2/3
			Code identifying the country		
			Use only in transactions identifying the location of an ecountry outside the fifty United States or its territories of	•	
Not Used	N405	309	Location Qualifier	X	ID 1/2
			Code identifying type of location		
Not Used	N406	310	Location Identifier	0	AN 1/30
			Code which identifies a specific location		

Segment: **REF** Reference Numbers

Position: 100

Loop: N1 Optional

Level: Heading
Usage: Optional
Max Use: >1

Purpose: To specify identifying numbers.

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

Comments:

Notes: Use as needed in all transactions to further identify the entity cited in N101.

Data Element Summary

Ref. Data

Des. Element Name

Must Use REF01 128 Reference Number Qualifier

M ID 2/2

Code qualifying the Reference Number.

W7 Commercial and Government Entity (CAGE) Code

Code that identifies a commercial contractor

authorized to do business with the U.S. Government

Use to indicate the CAGE code of the organization (other than government) cited in N101 if N103 is

other than code 33.

Must Use REF02 127 Reference Number X AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Not Used REF03 352 Description X AN 1/80

A free-form description to clarify the related data elements and their

content

Segment: PER Administrative Communications Contact

Position: 110

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be

directed

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

- 1. Suppliers must, as a minimum, identify the emergency contact and telephone number, and provide an information contact and telephone number.
- 2. Use PER05/PER06 and PER07/PER08 to provide a second and third, respectively, contact number associated with the named contact.
- 3. Repeat the use of 1/PER/110 as needed to provide all applicable points of contact for each entity identified by an iteration of the 1/N1/060 loop.

Data Element Summary

			Data Elem	ent Summary	
	Ref.	Data			
	Des.	Element	<u>Name</u>	<u> </u>	<u> ttributes</u>
Must Use	PER01	366	Contact Function	Code N	I ID 2/2
			Code identifying the named	e major duty or responsibility of the person	n or group
			AT	Material Safety Data Sheet Contact	
			EM	Emergency Contact	
				Use to identify point of contact for emesituations. Cite the office or third part representative (e.g., CHEMTREC) in I	y
			HM	Hazardous Material Contact	
				Use as needed to identify general point from which information regarding the the material may be obtained.	· ·
			TR	Technical Marketing Representative	
				Use as needed to identify the point of c general product information.	ontact for
	PER02	93	Name		AN 1/35

Free-form name

Use to indicate the name of the person or office. Last name first, followed by first name is preferred. If the whole name exceeds 35 characters, use the initial of the first name.

PER03	365	Communicatio	n Number Qualifier	X	ID 2/2
		Code identifying	g the type of communication number		
		When citing a t	elephone or facsimile number, do not i	nclude	dashes.
		EM	Electronic Mail		
		FX	Facsimile		
		IT	International Telephone		
			Include the country code.		
		TE	Telephone		
PER04	364	Communicatio	n Number	X	AN 1/80
		Complete commapplicable	nunications number including country or a	area co	de when
PER05	365	Communicatio	n Number Qualifier	X	ID 2/2
		Code identifying	g the type of communication number		
		EM	Electronic Mail		
		EX	Telephone Extension		
			Use only if PER03 is used citing e IT.	ither c	ode TE or
		FX	Facsimile		
		IT	International Telephone		
			Include the country code.		
		TE	Telephone		
PER06	364	Communicatio	n Number	\mathbf{X}	AN 1/80
		Complete commapplicable	nunications number including country or a	area co	de when
PER07	365	Communicatio	n Number Qualifier	X	ID 2/2
		Code identifying	g the type of communication number		
		EM	Electronic Mail		
		EX	Telephone Extension		
			Use only if PER05 is used citing e IT.	ither c	ode TE or
		FX	Facsimile		
		IT	International Telephone		
			Include the country code.		
		TE	Telephone		
PER08	364	Communicatio	n Number	X	AN 1/80
		Complete commapplicable	nunications number including country or a	area co	de when
PER09	443	Contact Inquir	y Reference	O	AN 1/20
		_	ence number or description to clarify a co	ntact n	umber
			to further identify the point of contact of cample, use to cite ''24-hours'' or ''Mot		
			1 , =		

Segment: LIN Item Identification

Position: 010

Loop: LIN Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

Purpose: To specify basic item identification data

Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.

- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- **8** If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- **14** If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes: Comments:

- LIN01 is the line item identification
- 1 See the Data Dictionary for a complete list of ID's.
- 2 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

- 1. Use only 2/LIN/010 in cancellation transactions to identify the material associated with the canceled MSDS.
- 2. Use all necessary segments in the 2/LIN/010 loop in original and replacement transactions to identify the specific MSDS content.
- 3. Use data element 235/234 pairs to identify data pertinent to the transaction. Unless otherwise specified, the multiple codes listed for a single qualifier data element identify the range of possible data requirements. When needed, use the next available combination of data element 235/234 pairs to provide the necessary data.
- 4. The most desirable means of item identification is manufacturer's part number and CAGE Code. However, MSDS submitters may use other authorized coding alternatives to identify the material for which the MSDS is prepared. This information will be used in conjunction with an MSDS reference number, MSDS revision number, and MSDS effective date to uniquely identify any individual MSDS.
- 5. Manufacturers should use one 235/234 pair to identify the product by manufacturer's part number (Code MG) and immediately follow with another

235/234 pair identifying the associated manufacturer CAGE Code (Code ZB).

- 6. Distributors and repackagers should use one 235/234 pair to identify the product by vendor's part number (Code VP) and immediately follow with a 235/234 pair identifying the associated distributor or repackagers CAGE Code (Code ZB). Distributors and repackagers should then use two additional 235/234 pairs to identify the product manufacturer's part number (Code MG) and CAGE Code (Code ZB), if known.
- 7. Suppliers should identify the product by manufacturer's part number (Code MG) in one 235/234 pair and immediately follow with a 235/234 pair identifying the associated manufacturer CAGE Code (Code ZB).
- 8. All submitters shall provide the National Stock Number (NSN), if known, but NOT as a substitute for part number and CAGE Code. The use of code FS may be repeated in successive 235/234 pairs to identify multiple NSN's corresponding to the product.
- 9. Provide other identifying information, as required, to adequately identify the material for which the MSDS applies.

	Ref.	Data		·		
	Des.	<u>Element</u>	Name			<u>ributes</u>
	LIN01	350	Assigned Identific	ation	O	AN 1/11
			Alphanumeric charaset	acters assigned for differentiation within	a tra	nsaction
			Use to identify the	Contract Line Item Number (CLIN), S	Sub (Contract
			Line Item Number	(SUBCLIN), or Exhibit Line Item Nu	mbe	r (ELIN),
			if one is assigned.			
Must Use	LIN02	235	Product/Service II) Qualifier	M	ID 2/2
			Code identifying the Product/Service ID	e type/source of the descriptive number (234)	used	in
			identify the materi	owing codes in the LIN02/LIN03 data al. Use any code in subsequent data e material as needed.		-
			A2	Department of Defense Identification (Code	(DoDIC)
				Qualifies a code that uniquely identified explosive or ammunition	es a t	ype of
			BN	Bar-Coded Serial Number		
			BP	Buyer's Part Number		
			CN	Commodity Name		
			CO	Chemical Abstract Service (CAS) Reg	istry	Number
			FS	National Stock Number		
			IN	Buyer's Item Number		

			LT	Lot Number		
			MG	Manufacturer's Part Number		
				Use to identify a manufacturer of number.	r suppli	er's part
			UK	U.P.C./EAN Shipping Container C	Code (1-	2-5-5-1)
				A 14-digit code that uniquely iden manufacturer's shipping unit, inclupackaging indicator and check dig the packaging indicator, the next to number system characters, the next the manufacturer ID number, the sare the item code, and the final dig	iding the firm of	erst digit is sare the gits are ve digits
			UP	U.P.C. Consumer Package Code (1	1-5-5-1)	
			VN	Vendor's (Seller's) Item Number		
			VP	Vendor's (Seller's) Part Number		
				Use to identify a distributor or renumber.	packag	er's part
			VX	Vendor's Specification Number		
			ZB	Commercial and Government Entit	ty (CAG	E) Code
				A code that identifies a commercia authorized to do business with the		
				Use in conjunction with code MC		
				identify the manufacturer (or dis	tributor	·).
Must Use	LIN03	234	Product/Service		tributor M	·). AN 1/40
Must Use	LIN03	234				
Must Use	LIN03	234 235		ce ID aber for a product or service		
Must Use			Identifying num Product/Service	ce ID the product or service the ID Qualifier g the type/source of the descriptive number	M X	AN 1/40 ID 2/2
Must Use			Identifying num Product/Service Code identifying Product/Service	ce ID the product or service the ID Qualifier g the type/source of the descriptive number	M X ber used	AN 1/40 ID 2/2
Must Use			Identifying num Product/Service Code identifying Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable	M X ber used	AN 1/40 ID 2/2
Must Use	LIN04	235	Product/Service Code identifying Product/Service Refer to 003050 Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable	M X ber used	AN 1/40 ID 2/2 I in values.
Must Use	LIN04	235	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier	M X ber used e code v X	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN04	235	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number	M X ber used e code v X	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN04	235	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Code identifying Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number	M X ber used e code v X X ber used	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN04	235	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID	M X ber used e code v X X ber used	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN05 LIN06 LIN07	235234235234	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID Qualifier g the type/source of the descriptive number ID (234) 10 Data Element Dictionary for acceptable ce ID aber for a product or service	M X ber used x x X ber used	AN 1/40 ID 2/2 In //alues. AN 1/40 ID 2/2 In //alues. AN 1/40
Must Use	LIN04 LIN05 LIN06	235 234 235	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID Qualifier g the type/source of the descriptive number ID (234) 10 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier	M X ber used e code v X X ber used e code v X	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN05 LIN06 LIN07	235234235234	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID aber for a product or service ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number for a product or service ce ID Qualifier g the type/source of the descriptive number	M X ber used e code v X X ber used e code v X	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2
Must Use	LIN05 LIN06 LIN07	235234235234	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Refer to 003050 Product/Service Refer to 003050 Product/Service Identifying num Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID aber for a product or service ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number for a product or service ce ID Qualifier g the type/source of the descriptive number	M X ber used x X X ber used code v X X ber used	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in
Must Use	LIN05 LIN06 LIN07	235234235234	Identifying num Product/Service Code identifying Product/Service Refer to 003050 Product/Service Identifying num Product/Service Refer to 003050 Product/Service Refer to 003050 Product/Service Identifying num Product/Service Identifying num Product/Service	ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID aber for a product or service ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable ce ID Qualifier g the type/source of the descriptive number ID (234) 0 Data Element Dictionary for acceptable or ID (234) 10 Data Element Dictionary for acceptable or ID Qualifier	M X ber used x X X ber used code v X X ber used	AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in values. AN 1/40 ID 2/2 I in

LIN10	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN11	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN12	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN13	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN14	235	Product/Service ID Qualifier	\mathbf{X}	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN15	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN16	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN17	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN18	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN19	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN20	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN21	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN22	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
		Refer to 003050 Data Element Dictionary for acceptable of	ode v	alues.
LIN23	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		

LIN24	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	r used	in
		Refer to 003050 Data Element Dictionary for acceptable	code v	alues.
LIN25	234	Product/Service ID	\mathbf{X}	AN 1/40
		Identifying number for a product or service		
LIN26	235	Product/Service ID Qualifier	\mathbf{X}	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	r used	in
		Refer to 003050 Data Element Dictionary for acceptable	code v	alues.
LIN27	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN28	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	r used	in
		Refer to 003050 Data Element Dictionary for acceptable	code v	alues.
LIN29	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
LIN30	235	Product/Service ID Qualifier	\mathbf{X}	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	r used	in
		Refer to 003050 Data Element Dictionary for acceptable	code v	alues.
LIN31	234	Refer to 003050 Data Element Dictionary for acceptable Product/Service ID	code v	values. AN 1/40
LIN31	234	•		

Segment:	PID Product/Item Description
Position:	020
Loop:	LIN Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred
	to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04.
	A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates
	it does not apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F''$, then $PID05$ is used. If $PID01 = S''$, then $PID04$ is used. If
	PID01 = X, then both $PID04$ and $PID05$ are used.
	2 Use PID06 when necessary to refer to the product surface or layer being
	described in the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	Use this segment only if the product applicable to the MSDS cannot be
	adequately identified by a code value cited in the LIN segment.

	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
Must Use	PID01	349	Item Descriptio	on Type	M	ID 1/1
			Code indicating	the format of a description		
			F	Free-form		
			S	Structured (From Industry Code List)		
			X	Semi-structured (Code and Text)		
Must Use	PID02	750	Product/Proces	s Characteristic Code	o	ID 2/3
			Code identifying the general class of a product or process characteristic			
			08	Product		
				Use to indicate a complete set or kit. provide a general description, include		•
				intended use, of the set or kit in PID	005.	
			09	Sub-product		
				Use to indicate a component of a kit description of the component in PIL		provide a
			80	MILSPEC (Military Specification)		
				Use to identify a Military Specification or Military Standard (MILSTD).	ion (1	MILSPEC)

Not Used

Not Used

Not Used

		81	FEDSPEC (Federal Specification)		
		82	FED-STD (Federal Standard)		
		83	CID (Commercial Item Description	n)	
		84	Special Specification		
			Use in conjunction with PID04 tindustry specification.	o identij	fy an
		CCN	Common Chemical Name		
		CHF	Chemical Family		
		SYN	Synonym		
			Use to indicate another name un product is sold.	der whi	ch the
		TRN	Trade Name		
			Use to indicate the brand name to product is sold.	under wi	hich the
PID03	559	Agency Quali	fier Code	X	ID 2/2
		Code identifyir	ng the agency assigning the code values		
		Use any code.			
		Refer to 00305	0 Data Element Dictionary for acceptable	le code v	alues.
PID04	751	Product Descr	ription Code	X	AN 1/12
		A code from an product charac	n industry code list which provides speci- teristic	fic data a	about a
PID05	352	Description		X	AN 1/80
		A free-form de content	scription to clarify the related data eleme	ents and t	their
		Use to identify	, in free form text, the product applica	ble to th	e MSDS.
PID06	752	Surface/Layer	r/Position Code	0	ID 2/2
		Code indicating described	g the product surface, layer or position the	nat is bei	ng
PID07	822	Source Subqu	alifier	O	AN 1/15
		A reference that Qualifier	at indicates the table or text maintained b	y the So	urce
PID08	1073	Yes/No Condi	tion or Response Code	O	ID 1/1
		Code indicatin	g a Yes or No condition or response		

Segment: MSS Material Safety Data Sheet Section Information

Position: 030

Loop: MSS Optional

Level: Detail
Usage: Optional

Max Use: 1

Purpose: To identify the report section

Syntax Notes: 1 At least one of MSS01 MSS02 or MSS06 is required.

2 Only one of MSS01 or MSS06 may be present.

Semantic Notes: 1 MSS02 is a text description of the report section.

2 MSS03 indicates the state or province issuing the regulations that determine what is reported in this section of the Material Safety Data Sheet (MSDS).

3 MSS04 identifies the country issuing the regulations that determine what is reported in this section.

Comments: 1

- MSS05 indicates whether any data in this report section has changed since the last revision of this report.
- 2 MSS07 indicates that the safety characteristics or hazard name is included in the name of the MSDS section or subsection.

Notes:

- 1. Use the 2/MSS/030 loop only in original and replacement submissions to identify the applicable ANSI Z400 section headings and the associated MSDS data. Repeat the loop for each section of the ANSI Z400 standard. Sections 1-10 are required by the Occupational Safety and Health Administration's Hazard Communication Standard. Sections 11-16 include international requirements and may not always apply. For any section where information is not provided, not applicable, or not known, state the appropriate case (e.g., not applicable) in the appropriate occurrence of 2/MSG/050.
- 2. Cite the applicable section number in MSS06 and the heading code value in MSS07.
- 3. HAZCOM Warning Label information is identified in Section 16 (Other Information) as a discrete iteration of the 2/MSS/030 loop. Separate this information from any additional Other Information to be carried in Section 16 by using code "LAB" in MSS07.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>tributes</u>
Not Used	MSS01	820	Report Section Name Code	X	ID 2/2
			Code identifying the name of the section of the report		
Not Used	MSS02	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements content	and t	their
Not Used	MSS03	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropriate agency	gover	nment

Not Used	MSS04	26	Country Code	O ID 2/3				
			Code identifying	g the country				
Not Used	MSS05	259	Change Type C	Code O ID 1/1				
			Code indicating	change type				
Must Use	MSS06	1472	Report Section	Number X N2 3/4				
			Number identify	ring a specified section or subsection of a report				
			· ·	tion with MSS07 to identify ANSI Z400 section heading				
			numbers. As an example, for section 3 titled "Hazard Identification", cited "300" to indicate section number (3.0).					
	MSS07	821		, ,				
	1113307	021	Safety Characteristic/Hazard Code O ID 3/3 Code indicating process tionary measures, means of treatment and hazard					
			_	Code indicating precautionary measures, means of treatment and hazard information and warnings				
			Use in conjunct	tion with MSS06 to identify the ANSI Z400 section				
			heading.					
			CI2	Chemical Product and Company Information				
				Use to identify section heading for information				
			G02	contained in section 1.				
			CO2	Composition or Information on Ingredients Use to identify section heading for information				
				contained in section 2.				
			DI2	Disposal Considerations				
				Use to identify section heading for information contained in section 13.				
			EN2	Ecological Information				
				Use to identify section heading for information				
				contained in section 12.				
			EP2	Exposure Controls or Personal Protection				
				Use to identify section heading for information contained in section 8.				
			FA2	First Aid Measures				
				Use to identify section heading for information contained in section 4.				
			FE2	Fire Fighting Measures				
				Use to identify section heading for information contained in section 5.				
			HH2	Hazards Identification				
				Use to identify section heading for information contained in section 3.				
			IA2	Other Information				
			-	Use to identify section heading for information in section 16.				
			*	* 1 1 m				

Label Text

LAB

	Use to identify warning label information to be contained in section 16.
PD2	Physical and Chemical Properties
	Use to identify section heading for information contained in section 9.
RE2	Stability and Reactivity Information
	Use to identify section heading for information contained in section 10.
RG2	Regulatory Information
	Use to identify section heading for information contained in section 15.
SH2	Transport Information
	Use to identify section heading for information contained in section 14.
SL2	Accidental Release Measures
	Use to identify section heading for information contained in section 6.
ST2	Handling and Storage
	Use to identify section heading for information contained in section 7.
TX2	Toxocological Information
	Use to identify section heading for information contained in section 11.

Segment: MSG Message Text

Position: 050

Loop: MSS Optional

Level: Detail
Usage: Optional
Max Use: >1

Purpose: T

To provide a free form format that would allow the transmission of text information.

Syntax Notes: Semantic Notes:

Comments:

1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes:

- 1. Text content should follow the recommendations prescribed in the ANSI Z400 draft standard. Specifically, use those common phrases and definitions whenever possible to maximize clarity.
- 2. Federal regulation requires a Hazard Communication Warning label to be submitted in conjunction with the submission of an MSDS. This data set is conveyed in Section 16 of the ANSI Z400 format using the subsection heading "HAZCOM Communication Warning Label." Data required include:
 - Identity of hazardous chemical(s);
 - Appropriate hazard warnings to include of target organ; and
 - Name and address of chemical manufacturer, importer or responsible party.

	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	ributes
Must Use	MSG01	933	Free-Form M	lessage Text	\mathbf{M}	AN 1/264
			Free-form mes	ssage text		
	MSG02	934	Printer Carriage Control Code			ID 2/2
			A field to be u	A field to be used for the control of the line feed of the receiv		
			Use as needed to accurately portray data.			
			AT	Advanced Three Lines Before Print		
			DS	Advance two lines before print		
			LC	Line Continuation		
			NP	Advance to next page before print		
			NS	No advance before print		
			SS	Advance to new line before print		

Segment: \mathbf{SE} Transaction Set Trailer

Position: 020

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Must Use	Ref. <u>Des.</u> SE01	Data <u>Element</u> 96	Name Number of Included Segments	Att:	<u>ributes</u> N0 1/10		
			Total number of segments included in a transaction set incl SE segments	uding	g ST and		
Must Use	SE02	329	Transaction Set Control Number	M	AN 4/9		
			Identifying control number that must be unique within the transaction s functional group assigned by the originator for a transaction set				
			Cite the same number as the one cited in ST02.				